

> d his

(FILE 'HOME' ENTERED AT 10:19:50 ON 13 JAN 2003)

FILE 'CAPLUS, MEDLINE, BIOSIS, USPATFULL, WPIDS' ENTERED AT 10:25:59 ON
13 JAN 2003

L1 FILE 'REGISTRY' ENTERED AT 10:26:05 ON 13 JAN 2003
126 S APOLIPOPROTEIN B

L2 FILE 'CAPLUS' ENTERED AT 10:26:18 ON 13 JAN 2003
5 S L1 AND ANTISENSE

FILE 'CAPLUS, MEDLINE, BIOSIS, USPATFULL, WPIDS' ENTERED AT 10:27:40 ON
13 JAN 2003

L3 6459 FILE CAPLUS
L4 8077 FILE MEDLINE
L5 7266 FILE BIOSIS
L6 570 FILE USPATFULL
L7 122 FILE WPIDS

TOTAL FOR ALL FILES

L8 22494 S APOLIPOPROTEIN B
L9 3721 FILE CAPLUS
L10 3774 FILE MEDLINE
L11 3888 FILE BIOSIS
L12 486 FILE USPATFULL
L13 88 FILE WPIDS

TOTAL FOR ALL FILES

L14 11957 S APOB OR (APOLIPOPROTEIN(W)B(W)100) OR (APOB(W)100) OR (APOB(W
L15 14 FILE CAPLUS
L16 11 FILE MEDLINE
L17 11 FILE BIOSIS
L18 23 FILE USPATFULL
L19 5 FILE WPIDS

TOTAL FOR ALL FILES

L20 64 S (L14 OR L8) (P)ANTISENSE
L21 42 DUP REM L20 (22 DUPLICATES REMOVED)
L22 42 FOCUS L21 1-

FILE 'STNGUIDE' ENTERED AT 10:32:10 ON 13 JAN 2003

FILE 'CAPLUS, MEDLINE, BIOSIS, USPATFULL, WPIDS' ENTERED AT 10:32:35 ON
13 JAN 2003

L Number	Hits	Search Text	DB	Time stamp
9	18	apob-100 and antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/13 10:12
12	1	2001-202860.NRAN.	DERWENT	2003/01/13 10:17
-	779	apolipoprotein adj B	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:20
-	166	(apolipoprotein adj B) and (antisense or (anti adj sense) or ribozyme)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:21
-	0	((apolipoprotein adj B) and (antisense or (anti adj sense) or ribozyme)) and phosphorothioate and methoxyethyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:22
-	23	((apolipoprotein adj B) and (antisense or (anti adj sense) or ribozyme)) and phosphorothioate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:31
-	142	ApoB and antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:24
-	96	apob-100	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:24
-	0	apob-100 near antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:25
-	0	apob-100 with antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:25
-	3	ApoB with antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:25
-	115	apoB adj2 ("100" or "48")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:32
-	22	(apoB adj2 ("100" or "48")) and antisense	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/01/03 14:32
-	1	2001-202860.NRAN.	DERWENT	2003/01/03 14:38

L22 ANSWER 1 OF 42 CAPLUS COPYRIGHT 2003 ACS
AN 2000:254519 CAPLUS
DN 133:162518
TI The inhibitory effect of **antisense** oligodeoxynucleotides on
apolipoprotein B expression in liver cells of rat
AU Tang, Qi-Dong; Lin, Bi-Lian; Lin, Shu-Guang
CS Guangdong Cardiovascular Inst., Canton, 510100, Peop. Rep. China
SO Zhongguo Dongmai Yinghua Zazhi (1999), 7(4), 315-318
CODEN: ZDYZFM; ISSN: 1007-3949
PB Zhongguo Dongmai Yinghua Zazhi Bianjibu
DT Journal
LA Chinese
CC 14-5 (Mammalian Pathological Biochemistry)
AB Aim To reduce the level of **apolipoprotein B** (Apo B)
via the inhibitory effect of **antisense** oligodeoxynucleotides
(AODN) on expression of Apo B gene in cultured liver cells and search its
mechanism. Methods The cultured liver cells were treated with synthesized
Apo B gene **antisense**, sense ODN (SODN) and 0.9% salt soln. resp.
Apo B100 concn. was measured by Auto-biochem. Instruction. The mRNA level
was obsd. by using of reverse transcription-polymerase chain reaction
(RT-PCR). Results Apo B gene AODN 5, 10, 15, and 20 .mu.mol/L inhibited
Apo B concn. 26.6%, 34.2%, 34.2%, and 45.8% resp. The inhibitory effect
appeared in a concn.-dependent manner. RT-PCR showed that Apo B gene AODN
down regulated Apo B mRNA expression obviously. Conclsuions The
ApoB gene AODN inhibited Apo B gene expression obviously and
reduced Apo B concn. The possible mechanisms are to down regulated Apo B
mRNA level and inhibit translation of Apo B gene.
ST antisense oligodeoxynucleotide lipoprotein B gene atherosclerosis
IT Gene, animal
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological
study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC
(Process)
(**APOB**, expression; inhibitory effect of **antisense**
oligodeoxynucleotides on **apolipoprotein B**
expression in liver cells of rats)
IT mRNA
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological
study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC
(Process)
(Apo B; inhibitory effect of **antisense** oligodeoxynucleotides
on **apolipoprotein B** expression in liver cells of
rats)
IT **Apolipoproteins**
RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological
study, unclassified); BIOL (Biological study); OCCU (Occurrence); PROC
(Process)
(**B-100**; inhibitory effect of **antisense**
oligodeoxynucleotides on **apolipoprotein B**
expression in liver cells of rats)
IT Liver
(hepatocyte; inhibitory effect of **antisense**
oligodeoxynucleotides on **apolipoprotein B**
expression in liver cells of rats)
IT Atherosclerosis
Hypercholesterolemia
(inhibitory effect of **antisense** oligodeoxynucleotides on
apolipoprotein B expression in liver cells of rats)
IT **Antisense** oligonucleotides
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(inhibitory effect of **antisense** oligodeoxynucleotides on

apolipoprotein B expression in liver cells of rats)